


CRACKING
THE CASE WITH

FLEXBOX





Level 4 – Section 2

Sizing Up the Properties

New Property for Setting Width Values

Problem: Defined Widths for Flex Items



Brown necktie

The neutral tones help its owner blend in with any background — especially the faded wallpaper in the aging haunted house.



Tobacco Pipe

The musty smell of old tobacco wafts from this vintage pipe — which wasn't actually vintage when the owner purchased it new.



Gold Pocket Watch

The telltale ticking of this pocket watch echoes throughout the halls of the haunted house, bouncing off sheet-covered furniture... or ghosts.



Cane

There's a dusting of hard-candy sugar along this solid-oak cane, which is ideal for enthusiastic pointing while lecturing whippersnappers.



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Consistent widths

flex-basis

Used to specify the initial size of a flex item. It defaults to `auto` and currently supports CSS units: `%`, `px`, `em`, `rem`, etc.

index.html

HTML

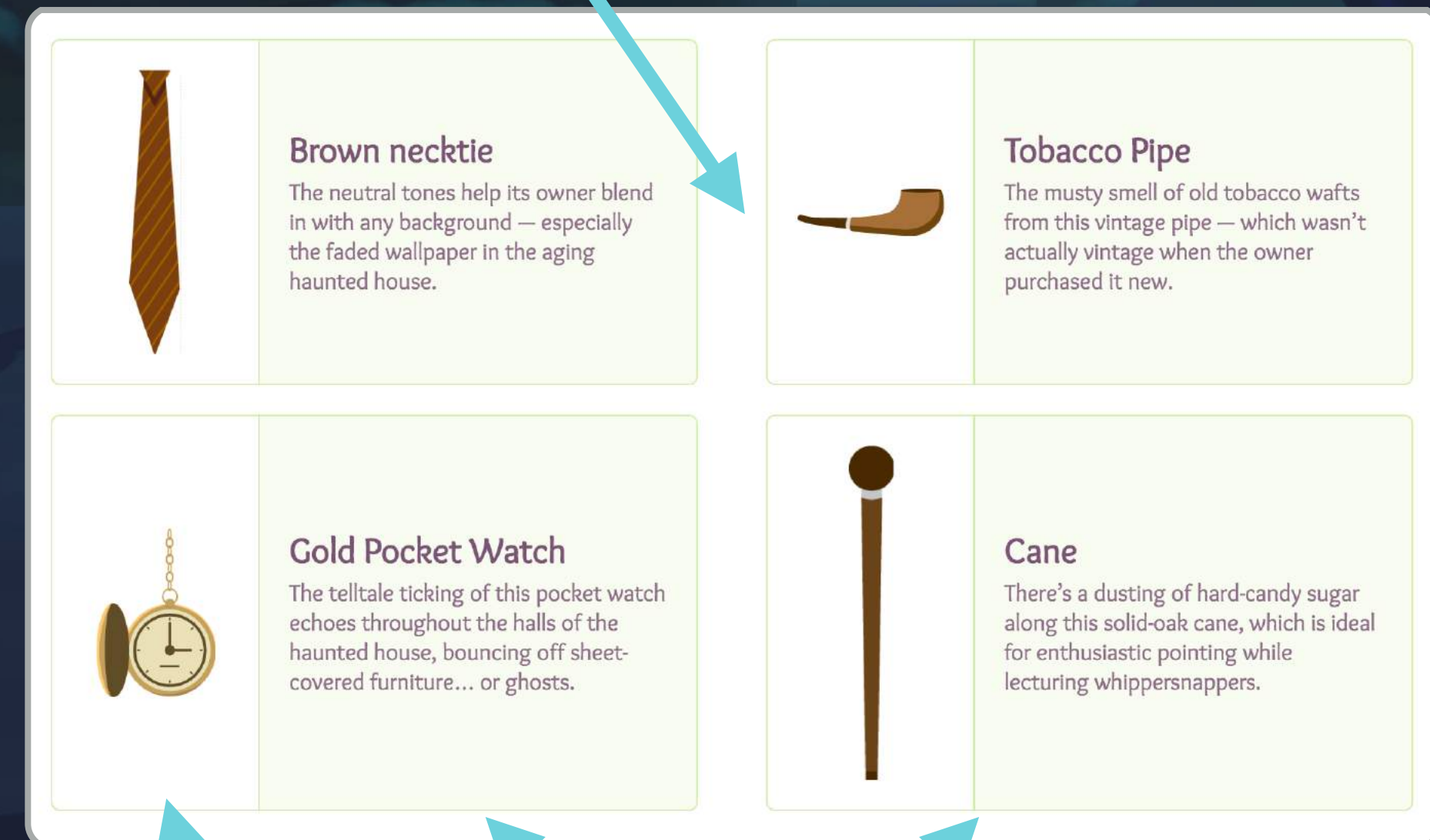
```
<article class="clue">
  <div class="clue-img">...</div>
  <div class="clue-info">...</div>
</article>
```

site.css

CSS

```
...
.clue{
  flex-basis: 47.5%; }
.clue-img {
  flex-basis: 140px; }
```

justify-content: space-between

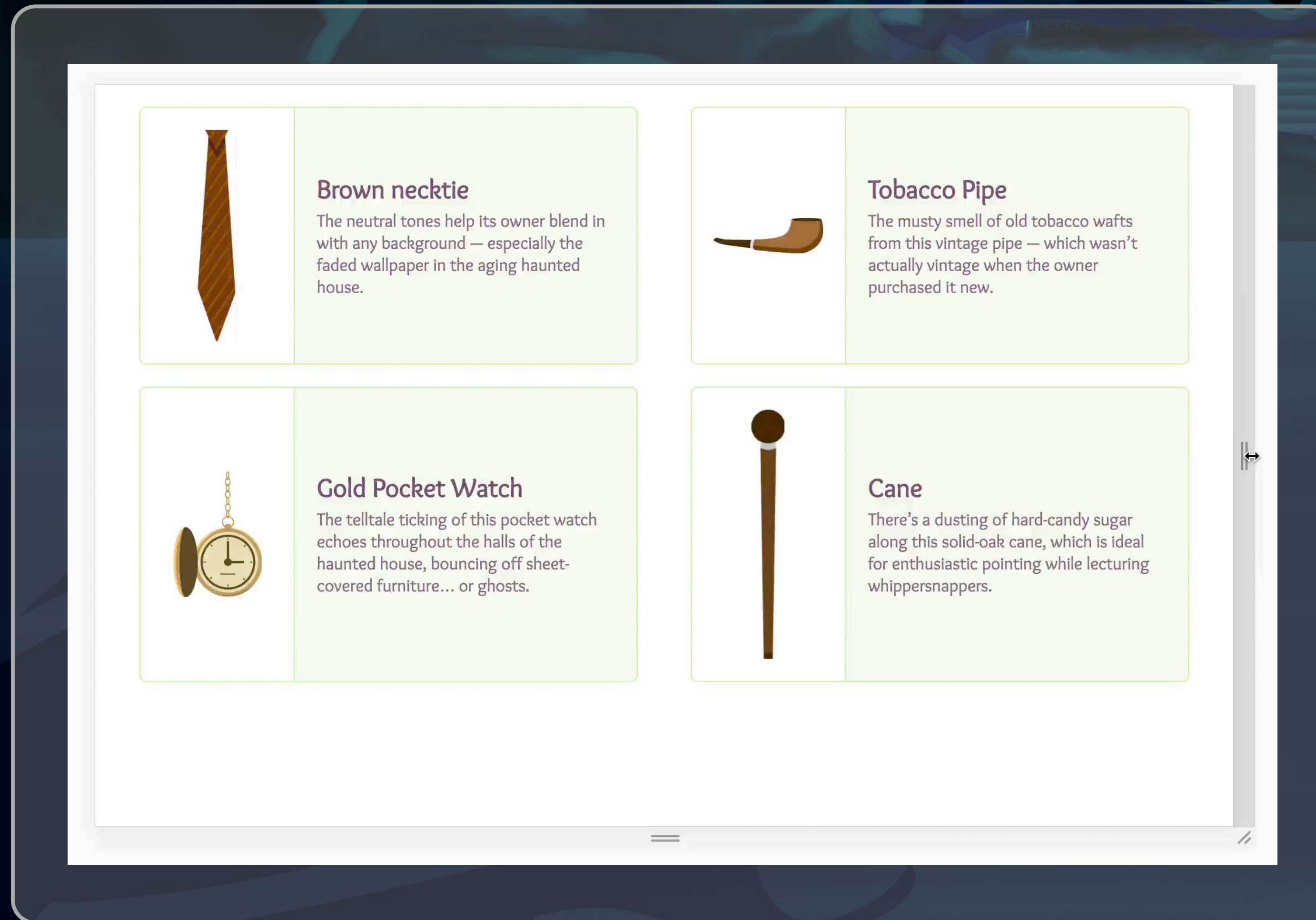


140px

47.5%

Combining flex-basis and flex-shrink

With one item set to a pixel-based value, the other will adjust to fill the remaining space.



Using flex-basis and Absolute Units

Items with a `flex-basis` that is an absolute unit will not grow beyond the value by default.

site.css

CSS

```
div {  
  flex-basis: 250px; }
```

Pixel



The flex container is 1166px

Using flex-basis and relative units

Items with a relative flex-basis will grow to fill the space.

Percentage

Width: 290px

Width: 290px

Width: 290px

Width: 290px

Pixel with flex-grow: 1

One Width: 290px

Two Width: 290px

Three Width: 290px

Four Width: 290px

More flex-basis Properties — Maybe!

There are more properties that are proposed but not currently implemented in browsers.



```
/* Intrinsic sizing keywords */
```

```
flex-basis: fill;
```

```
flex-basis: max-content;
```

```
flex-basis: min-content;
```

```
flex-basis: fit-content;
```

```
/* Automatically size based on the flex item's content */
```

```
flex-basis: content;
```


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